(19) World Intellectual Property Organization International Bureau





(43) International Publication Date 26 May 2005 (26.05.2005)

(10) International Publication Number WO 2005/047720 A1

- (51) International Patent Classification7: F16J 15/34
- F16C 33/78.
- (21) International Application Number:

PCT/US2004/038250

(22) International Filing Date:

10 November 2004 (10.11.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 60/518,941

10 November 2003 (10.11.2003) US

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- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE. KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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(54) Title: BEARING ASSEMBLIES WITH SEALS

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rolling elements (58) between raceways on the two races. A seal (10, 180, 210, 256) excludes contaminants from the interior of the bearing, and it includes a wear ring (92, 184, 214, 276) carried by an extension (80, 128, 144, 168, 252) on the outer race beyond the raceway of that race, a contacting wear ring (90, 182, 212, 278) carried by the member on which the inner race is located or else by a can (110, 230, 254) that is fitted to the inner race. The seal also includes backing elements (94, 96, 192, 194, 216, 218, 294) for supporting the wear rings on that which carries them, and in most instances the backing elements exert a biasing force on the wear rings to maintain them in contact, so that they establish a dynamic fluid barrier. The backing elements may include O-rings (94,96), polymer connecting segments (200) or springs (292) and a membrane (294).

WO 2005/047720 A1



Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

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